



Attorney Docket No.: ~~1764~~ ~~1793~~ ~~1700~~ ~~1700~~

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gary R. McLuen et al.

Serial No.: 09/742,460

Filed: December 19, 2000

For: **MULTI-WELL ROTARY
SYNTHESIZER**

Group Art Unit: ~~1764~~ ~~1793~~ ~~1700~~

Examiner: J. Ward

**INFORMATION DISCLOSURE
STATEMENT**

260 Sheridan Avenue, Suite 420
Palo Alto, California 94306
(650) 833-0160

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The citation listed below, copy attached, may be material to the examination of the above-identified application, and is therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. §§ 1.56 and 1.97. The Examiner is requested to make this citation of official record in this application.

Applicants have become aware of the following printed publication which may be material to the examination of this application:

- U.S. Patent 3,917,455
- U.S. Patent 4,415,732
- U.S. Patent 4,458,066
- U.S. Patent 4,816,513
- U.S. Patent 4,837,159
- U.S. Patent 5,047,524
- U.S. Patent 5,053,454
- U.S. Patent 5,093,268
- U.S. Patent 5,096,807
- U.S. Patent 5,112,736
- U.S. Patent 5,132,418
- U.S. Patent 5,239,484

- 1 -

CERTIFICATE OF MAILING (37 CFR § 1.8(a))
I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington D.C. 20231

HAVERSTOCK & OWENS LLP

3/26/01 BY: [Signature]

- U.S. Patent 5,262,530
- U.S. Patent 5,297,288
- U.S. Patent 5,324,483
- U.S. Patent 5,356,776
- U.S. Patent 5,380,495
- U.S. Patent 5,395,594
- U.S. Patent 5,427,930
- U.S. Patent 5,437,979
- U.S. Patent 5,453,247
- U.S. Patent 5,468,606
- U.S. Patent 5,472,672
- U.S. Patent 5,503,805
- U.S. Patent 5,510,270
- U.S. Patent 5,522,272
- U.S. Patent 5,529,756
- U.S. Patent 5,541,113
- U.S. Patent 5,545,531
- U.S. Patent 5,547,839
- U.S. Patent 5,563,033
- U.S. Patent 5,571,639
- U.S. Patent 5,593,839
- U.S. Patent 5,597,694
- U.S. Patent 5,605,662
- U.S. Patent 5,632,957
- U.S. Patent 5,633,365
- U.S. Patent 5,639,428
- U.S. Patent 5,645,114
- U.S. Patent 5,645,801
- U.S. Patent 5,653,939
- U.S. Patent 5,690,894
- U.S. Patent 5,707,797
- U.S. Patent 5,720,923
- U.S. Patent 5,720,928

Attorney Docket No.: ~~NEI-00102~~

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- U.S. Patent 5,736,333
- U.S. Patent 5,744,305
- U.S. Patent 5,762,881
- PCT Publication No. WO 91/13084;
- PCT Publication No. WO 98/10857
- PCT Publication No. WO 98/36829
- PCT Publication No. WO 98/39099
- PCT Publication No. WO 98/57181
- German Publication No. DE 196 42 777 A1
- German Publication No. DE 297 19 919 U1
- German PCT Publication No. DE 39 08725 A01
- Great Britain PCT Publication GB 2 146 030 A
- L.E. Sindelar and J.M. Jaklevic, "High-Throughout DNA Synthesis in a Multichannel Format," Nucleic Acids Research, 1995, vol. 23, no. 6, pages 982-987, Oxford University Press.
- Robert L. Letsinger and V. Mahadevan, "Stepwise Synthesis of Oligodeoxyribonucleotides on an Insoluble Polymer Support," J Am Chem Soc, Vol. 88:22, pages 5319-5324, November 20, 1966
- VICI "Injectors and Switching Valves" Valco Instruments Co, Inc. Valco International, December 12, 1999, p. 1-2
- Valve Handbook by Philip L. Skousen, McGraw-Hill, 1997, pages 58-60.

This Information Disclosure Statement under 37 C.F.R. §§ 1.56 and 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that anyone or more of these citations constitutes prior art.

Respectfully submitted,
HAVERSTOCK & OWENS LLP

Dated: March 26, 2001

By: Jonathan O. Owens
Jonathan O. Owens
Reg. No.: 37,902
Attorneys for Applicants



Attorney Docket No.: NEP0105

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Group Art Unit: 1764

Examiner:

TRANSMITTAL LETTER

260 Sheridan Avenue, Suite 420
Palo Alto, CA 94306
(650) 833-0160

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Enclosed please find an Information Disclosure Statement and Form PTO-1449, including a copy of the references contained thereon, for filing in the U.S. Patent and Trademark Office.

The Commissioner is hereby authorized to charge any additional fee or credit overpayment to our Deposit Account No. 08-1275. **An originally executed duplicate of this transmittal is enclosed for this purpose.**

Respectfully submitted,
HAVERSTOCK & OWENS LLP

Dated: March 26, 2001

By: Jonathan O. Owens
Jonathan O. Owens
Reg. No.: 37,902

Attorneys for Applicants

CERTIFICATE OF MAILING (37 CFR § 1.8(a))

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HAVERSTOCK & OWENS LLP

3/26/01

Jonathan O. Owens

FORM PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: NEI-00105

Serial No.: 09/742,460

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Separate Sheets If Necessary)

Applicant: Gary R. McLuen et al.

Filing Date: December 19, 2000

Group/Part Unit: 1/1/1

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Examiner Initials		Serial / Patent Number	Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	AA	3,917,455	11/4/75	Bak et al.	23	253.1	05/10/74
	AB	4,415,732	11/15/83	Caruthers et al.	536	27	03/27/81
	AC	4,458,066	07/03/84	Caruthers et al.	536	27	03/24/81
	AD	4,816,513	03/28/89	Bridgham et al.	525	54.11	05/22/87
	AE	4,837,159	6/6/89	Yamada	436	45	09/17/85
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	AO	5,324,483	06/28/94	Cody et al.	422	131	02/02/93
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	AU	5,453,247	09/26/95	Beavis et al.	422	68.1	11/23/93
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	BI	5,605,662	02/25/97	Heller et al.	422	68.1	11/01/93

Date Considered:

Examiner:

EXAMINER:

Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No.: NEI-00105

Serial No.: 09/742,460

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets If Necessary)

Applicant: Gary R. McLuen et al.

Filing Date: December 19, 2000

Group Art Unit 1764

(37 CFR § 1.98(b))

U.S. PATENT DOCUMENTS

Serial No.: 09/742,460		
Group Art Unit 1764		
Class	Subclass	Filing Date
22	68.1	09/09/94
36	24.31	04/28/94
22	112	07/19/94

6/9/98	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS								
		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation	
							Yes	No
								X
	BW	WO 91/13084	9/5/91	PCT	C07K	1/04		X
	BX	WO 98/10857	3/19/98	PCT	B01J	19/00		X
	BY	WO 98/36829	8/27/98	PCT	B01J	19/00		X
	BZ	WO 98/39099	9/11/98	PCT	B01J	3/00		X
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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)		
		Multi-channel Format "Nucleic A

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CF	L.E. Sindelar and J.M. Jaklevic, "High-Throughput DNA Synthesis in a Multichannel Format," Nucleic Acids Research, 1995, vol. 23, no. 6, pages 982-987, Oxford University Press.
CG	Robert L. Letsinger and V. Mahadevan, "Stepwise Synthesis of Oligodeoxyribonucleotides on an Insoluble Polymer Support," JAm Chem Soc, Vol. 88:22, pages 5319-5324, November 20, 1966
CH	VICI "Injectors and Switching Valves" Valco Instruments Co, Inc. Valco International, December 12, 1999, p. 1-2
CI	Valve Handbook by Philip L. Skousen, McGraw-Hill, 1997, pages 58-60
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Examiner:

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